

**Vojvodina Academy
of Sciences and Arts**

**ANUAL REPORT
2016 and 2017**

Novi Sad

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1. Introduction

This issue of Annual Report considers two years achievements of members of VANU in education, scientific and professional research. In addition the results achieved in human sciences and arts is presented.

Members of VANU were incorporated into education process as professors or professors emeritus. They give significant contribution for graduates but special for doctoral students. They were employed at the Universities in Serbia, but also at the Universities abroad. Professors were asked to give lectures and to publish books in various topics: agriculture, engineering but also psychology and law. The books are published by famous publishing corporations (Springer, for example) and have also the e-version. It available books to be free for use for students all over the world. In additions, some of lectures are present at you-tube. Even some new surgery methods developed by our members are recorded. The explanation added to the video version gives the possibility of easier understanding of phenomena, methods and results of recent science. Dissemination of knowledge was supported by mobility programs of EU. Using the Erasmus and Ceepus programs the professors gave courses at foreign Universities.

Members of VANU were very active in scientific research. They were working hard in numerous projects supported by the Ministry of Science and Technology Development of Republic Serbia, but also in projects of faculties of the University of Novi Sad and Matica Srpska in Novi Sad. In addition, they were incorporated into recent COST programs and Actions in mechanics and agriculture which were supported by EU. Due to success in projects they were asked to organize Brainstroming Workshops for eminent scientists in Novi Sad. As the result of scientific investigation our members published numerous papers in international journals which are listed in Scopus, Web of Science, etc. Chapters in monographs were written and the results are reported at conferences. The attendance of researchers at conferences was highly supported and most of our members were the editors of the corresponding proceedings and presidents or members of the scientific boards. However, the most important effect of research in general scientific world is given with journal papers. It is evident due to very high citation index of the papers and also elections for editors and members of editorial boards of journals. Most of our members are reviewer of international and domestic journals.

It is worth to mention that the result of investigation in agriculture are the new wheat and ba sorts registered by the Ministry of Agriculture of Serbia and Ukraine. Even 11 new sorts of plants are developed.

In human sciences a large effort is done in regulation of migration law in Serbia-Hungary relation. Our experts attended the bilateral conferences and gave their contribution for solving the problem. The bilinguality, which is very often in Vojvodina, was also investigated as a task in psychology and education. Our members were incorporated by the Ministry of Education of Republic Serbia into the commissions for regulation of bilingual education. The most frequently considered bilinguality was the Serb-Hungarian but also Ruhenian-Serb. In our institution the literature in Ruthenian language was deeply investigated. Poems and essays written by the member of VANU in Ruthenian are translated into Serb and Hungarian language and published. So, a big influence on development and connecting of Ruthenian culture in the world was done. Studies on difference on Ruthenian and Ukrainian were reported.

VANU made some effort in publication of Vojvodina Encyclopedia. Unfortunately, due to financial problems the publication was stopped.

The activity of VANU was directed toward the Alexander von Humboldt and DAAD foundations, too. In 2016 a lectrue was asked to be given at the Humboldt Kollegu in Torun in Poland with the title: "Inflation

of doctors in Serbia and reaction of the academic society". The same lecture was given in AvH – DAAD alumni club in Novi Sad.

Finally, it can be concluded that the planned program of VANU for 2016 and 2017, in spite of financial troubles, is almost fulfilled. It is at this moment to finish the competition for the best doctor dissertation in history of Vojvodina and to publish it according to the Hrabak foundation.

Summarizing the results for 2016 and 2017 it is convenient to give the scientific matrix for all members of VANU. Since establishing VANU there are published more than 45 books and studies, 4000 papers (more than 1000 in the journals of SCI list) and registered more than 50 sorts in agriculture. In addition, the total citation number of papers is almost 20000 (according to Google Scholar).

2. Publications

In this chapter the publications of members of VANU for the 2016 and 2017 are presented. During these two years 12 books are published: 3 novels, 1 book of Ruthenian poems, 1 study on Ruthenian and Ukrainian essays, 2 monographs in agriculture, 1 in civil engineering, 1 in law and 3 in mechanics. All books are published by well-known publishing companies as Springer, for example. At the moment the monographs written in English can be found in the libraries of many Universities all over the world (including MIT in USA).

Number of total bibliographic items for the two years is 109. Specifying it is: number of journal publications is 59, while publications in monographs is 10 and in Proceedings is 40. Most of publications are in English language (85). It is worth to be said that 48 papers are published in the journals which are cited in the world most important basis like Scopus, Web of Science, etc.

As a special result it has to be mentioned that the publications of the members of VANU are cited, after Google Scholar, more than 2000 times during 2016 and 2017.

2.1 Books and Monographs

- Cveticanin, L., Dynamics of Bodies with Time-Variable Mass, Springer, 2016.
- Cveticanin, L., Strong Nonlinear Oscillator - Analytical Solutions, Springer, 2018.
- Cveticanin, L., Zukovic, M., Balthazar, J.M., Dynamics of Mechanical Systems with Non-Ideal Excitation, Springer, 2018.
- Folic, R., Zenunović, D., Spregnute konstrukcije čelik – beton, AGM knjiga, Beograd, 2016.
- Kastori, R., Maksimović, I., Ilin, Ž., Putnik-Delić, M., Magnezijum u ishrani biljaka I, Poljoprivredni fakultet, Univerzitet u Novom Sadu, 2016.
- Kastori, R., Maksimović, I., Putnik-Delić, M., Bor u ishrani biljaka, Matica Srpska, Novi Sad, 2018.
- Ketig, T., Razgovor s usudom, Matica hrvatska, Zagreb, 2016.
- Ketig, T., Karusel raspetih, Prometej, Novi Sad, 2016.
- Szalma, J., *A jogtudományok kutatási módszerei (Kutatásmódszertan)*, Patrocínium, Budapest, 2016.
- Tamaš J.: Reka Monomah, merač posmrtnog vremena, autobiografski roman, Orion Spirit, Sremska Kamenica, 2017.
- Tamaš J.: Ispred smrtnog talasa, lirika, Prometej, Novi Sad 2017.
- Tamaš J.: Skladanje identiteta, izabrane studije i eseji iz rusinistike i ukrajinstike, Ruske slovo, Novi Sad 2017.

2.2 Journal Papers, Papers in Monographs and Proceeding Papers

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- Zenunović, D., Rešitbegović, N., Folić, R., Chloride penetration through concrete cover under pressure of salty water, 1st Int. Conf. Construction Materials for Sustainable Future, CoMS_2017, 19-21 April 2017, Zadar, Croatia, 2017, 407 – 413.
- Zenunović, D., Rešitbegović, N., Folić, R., Ocjena stanja betona mjerenjem električne otpornosti, 10. Međunar. Naučno-stručni skup Assessment, maintenance and rehabilitation of structures and settlements, ACES, Vršac, 14-16 June 2017, 207 – 215.
- Zenunović, D., Folić, R., Ibrahimović, A., Mandžić, K., Risk analysis in civil engineering, 3rd International Scientific Meeting E-GTZ 2016 (Ed. A. Ibrahimović I D. Zenunović), Tuzla, 02-04 June 2016, 809-816.

3. Plenary and Invited Lectures

Members of VANU were invited to give Plenary lectures on specific topics in mechanics and agriculture at international and domestic conferences: 3 in 2016 and 3 in 2017. In addition, the Invited lecture in Civil and Guilty Law was given by Prof. Szalma. In 2017, Prof. Guduric was the invited lecturer at the domestic congress of medicine in Novi Sad.

The list of Plenary and Invited lectures is given.

- Cveticanin, L, *Mechanical Models in Biomedical Engineering: Vibration of Vocal Cords*, Plenary Lecture, International Conference on Science and Technique Based on Applied and Fundamental Research (ICoSTAF) 2016, Szeged, Hungary, June 2, 2016.
- Cveticanin, L., *Állandó és változó tömegű test nemlineáris dinamikája és rezgése*, Plenary Lecture, XIII International Engineering Symposium at Banki (ESB), Budapest, Hungary, 17th Nov. 2016.
- Cveticanin, L., *Acoustic Metamaterials: Theory and Application*, Plenary Lecture, XIV-th International Conference: Acoustics & Vibration of Mechanical Structures, AVMS 2017, Timisoara, Romania, 25-26 May, 2017.
- Cveticanin, L.: *On the Acoustic Metamaterial with Negative Effective Mass*, Plenary Lecture, 14th Int. Conf. DSTA 2017, Dynamical Systems, Theory and Applications, Lodz, Poland, December 11-14, 2017.
- Denčić, S., 49. Savetovanje agronoma Srbije, Zlatibor, 2016.
- Denčić, S., 50. Savetovanje agronoma Srbije, Zlatibor, 2017.

- Gudurić, B., Pet decenija razvoja hirurgije dojke u Vojvodini, I. Srpski onkološki Kongres, Novi Sad, 31. mart - 01. aprila 2017.
- Szalma, J., Novi kodeksi građanskog i krivičnog prava, Bilateralno srpsko-mađarsko naučno savetovanje, Ečka, Srbija, 24. mart 2018.

4. Presentations at Domestic and International Conferences

All members of VANU attended various conferences, symposia and congresses in Serbia and abroad. The researchers attend 22 international and 4 domestic conferences. Their presentations were positively reviewed.

- Biro, I., Cveticanin, L., Procedures for determination of elastic curve of simply and multiple supported beams, International Conference on Science and Technique Based on Applied and Fundamental Research (ICoSTAF) 2016, Szeged, Hungary, June 2, 2016.
- Biro, I., Cveticanin, L., Suchy, P., Numerical method to determine the elastic curve of simply supported beams of variable cross-section, International Engineering Symposium at Banki IESB 2017, Budapest, 27th Nov. 2017.
- Cveticanin, L., Biro, I., Sarosi, J., Analytical investigation of nonlinear vibration of two DOF systems, International Conference on Science and Technique Based on Applied and Fundamental Research (ICoSTAF) 2016, Szeged, Hungary, June 2, 2016.
- Cveticanin, L., Cveticanin, D., Theory of acoustic metamaterials, 4th Int.Sci.Conf. Advances in Mechanical Engineering, ISCAME 2016, Debrecen, Hungary, 13-15 Oct 2016, Proceedings.
- Cveticanin, L., Cveticanin, D., Theory of acoustic metamaterials: An overview, 25th Int.Conf. Noise and Vibration, Tara, 27-29 Oct. 2016, Proceedings.
- Cveticanin, L., Kovacic, I., Prilog izucavanju nelinearne dinamike i oscilacija na Univerzitetu u Novom Sadu u period od 2006-2016, 10 godina Srpskog drustva za racunarsku mehaniku 2006-2016, Kragujevac, 19.9.2016. s.16-17.
- Cveticanin, L., PhD studies at the Doctoral school of safety and security sciences, Obuda University, Hungary, 1st K-FORCE (Knowledge For Resilient Society) Symposium, Novi Sad, September 14th, 2017.
- Cveticanin, L., Cveticanin, D., Theory of ambient vibration energy harvester with piezoelement, SEECCM 2017, 4-th South-East European Conference on Computational Mechanics, 3-5 July 2017, Kragujevac, Serbia, Proceedings
- Cveticanin, L., Zlokolica, M., Razvoj i savremene tendencije u radu grupe za mehaniku masina na Fakultetu tehnickih nauka u Novom Sadu a u svetlu nove tehnologije nastave, XXIII Skup Trendovi razvoja: Polozaj visokog obrazovanja i nauke u Srbiji, Zlatibor, 22-24.2.2017, Zbornik radova, 303-306.
- Cveticanin, L., Negative effective mass in the mass-in-mass subsystem with cubic nonlinearity, DENORMS DA15125 Workshop on Modelling of high performance acoustic structures: porous media, metamaterials and sonic crystals, 24-26 January, 2017.
- Ćosić M., Folić R., Folić B., Multidisciplinary approach to the assessment of seismic performances and rehabilitation of bridges: nonlinear analysis, probability theory and optimization theory, 9th International Conference "Bridges in Danube Basin 2016", BDB 2016, 30 September-01 October 2016, Extended Abstracts, 2016, 35-36.
- Göncz, L., A multikulturalizmus és az etnocentrizmus kapcsolata vajdasági középiskolásoknál: egy empirikus kutatás eredménye (The relation between multiculturalism and ethnocentrism among high-school students in Vojvodina: results of an empirical study), In Gazdag, V. (Ed.). Linguistic and cultural heterogeneity in east-central Europe: values and challenges, International

interdisciplinary conference, Abstracts, Beregovo, Ukraina: F.Rákóczi II Transcarpathian Hungarian Institute, 2015, p.22.

- Göncz, L., A pedagógusok szerepe a biokulturális diverzitás megőrzésében [The role of teachers in preserving biocultural diversity: psychological perspective]. In Gazdag, V. (Ed.). Linguistic and cultural heterogeneity in east-central Europe: value and challenges, International interdisciplinary conference, Abstracts, Beregovo, Ukraina: F.Rákóczi II Transcarpathian Hungarian Institute, 2015, p.23.
- Guduric, B., Radovanović, Z., Breberina, M., Petrović, T., Early detection of colo-rectal cancers in different ethnical groups in Vojvodina, X Biannual International Symposium of Coloproctology, Beograd, 13-15 oktobar 2016.
- Guduric, B., Baltić, V., Malešević, M., Honorary Moderators: History of nuclear medicine in Vojvodina, From Nuclear to Nuclear Medicine IV Serbian Meeting on Hybrid Imaging and Molecular Therapy with International participation, Novi Sad, 2-3 March 2017.
- Miroslavljević, M., Momčilović, V., Jocković, B., Mikić, S., Trkulja, D., Aćin, V., Pržulj, N., Denčić, S., Genotypic variation for NDVI and crop biomass at anthesis in six-rowed winter barley. *Book of Abstract*. COST WG1/EPPN2020 workshop: Current and future applications of phenotyping for plant breeding, Novi Sad, 29th-30th of September 2017. p.27. (M34-0.5 p).
- Miroslavljević, M., Momčilović, V., Mikić, S., Trkulja, D., Denčić, S., Jocković, B., Aćin, V., Pržulj, N., Variation in grain filling of winter cereals in Pannonian Plain. *Book of Abstract*, 4th Conference of Cereal Biotechnology and Breeding, 6-9 November 2017, Budapest, Hungary, 2017, 87-88.
- Pap, E., Information fusion in intelligent systems, Synthesis 2016, International Scientific Conference of IT and Business-Related Research, April 2016.
- Putnik-Delić, M., Maksimović, I., Ilin, Ž., Kastori, R., Adamović, B., The effect of storage conditions on concentration of photosynthetic pigments in lettuce (*Lactuca sativa* L.). 5th International Symposium on Agricultural Sciences. Banja Luka, 2017, p. 141.
- Rakarić, Z., Cveticanin, L., Zuković, M., Preloading in nonlinear oscillator, 9th European Nonlinear Dynamics Conference, ENOC 2017, Budapest, June 25-30, 2017.
- Serdar, N., Folić R., Comparative analysis of modal response for reinforced concrete (RC) straight and curved bridges, 9th International Conference "Bridges in Danube Basin 2016", BDB 2016, 30 September-01 October 2016, Extended Abstracts, 2016, 35-36.
- Szalma, J., International Conference in Civil Law, Wien, November 2017.
- Szalma, J., Bilateral Serbian-Hungarian Conf. on Migration Policy, Novi Sadu, November 2017.
- Szalma, J., Summer School of the Faculty of Law, University ELTE ÁJK, Budapest, July 2017.
- Szalma, J., Naučnom savetovanje - POT Miškolc, juni 2017.
- Vicko, F., Gudurić, B., Controversis in Multidisciplinary Breast Cancer Management – Surgery, Axillary lymph node Dissection is still Standard of the Care in Micrometastatic Sentinel Node biopsy-Pro Metastatic Diseases: Past, present and future in oncology, 7th Serbian-French Oncology Congress, Novi Sad, 18-19 March 2016.

5. Authors/Coauthors of Registered Sorts of Wheat and Barley

In 2016 and 2017, there was a great success in agricultural research. Prof. Dencic as the coinvestigator registered 9 sorts of wheats in Serbia and 1 in Ukrain. In addition, two new sorts of barleys were registered in Serbia.

- Denčić, S., Momčilović, V., Acknowledgement of the Ministry of Agriculture of Serbia No.320-04-03131/2014-11, Certificate No. 119-01-51/8/2016-09 for the sort of wheat NS FRAJLA, 2016.
- Denčić, S., Momčilović, V., Acknowledgement of the Ministry of Agriculture of Serbia No. 320-04-03132/2014-11, Certificate No. 119-01-51/8/2016-09 for the sort of wheat NS EPOHA, 2016.
- Denčić, S., Momčilović, V., Acknowledgement of the Ministry of Agriculture of Serbia No. 320-04-03133/2014-11, Certificate No. 119-01-51/8/2016-09 for the sort of wheat NS IGRA, 2016.
- Denčić, S., Momčilović, V., Acknowledgement of the Ministry of Agriculture of Serbia No. 320-04-03134/2014-11, Certificate No. 119-01-51/8/2016-09 for the sort of wheat NS KLICA, 2016.
- Denčić, S., Momčilović, V., Acknowledgement of the Ministry of Agriculture of Serbia No.320-04-03117/2014-11, Certificate No. 119-01-51/8/2016-09 for the sort of wheat NS GRIVNA, 2016.
- Denčić, S., Momčilović, V., Acknowledgement of the Ministry of Agriculture of Serbia No.320-04-03118/2014-11, Certificate No. 119-01-51/8/2016-09 for the sort of wheat NS TAJNA, 2016.
- Denčić, S., Momčilović, V., Acknowledgement of the Ministry of Agriculture of Serbia No. 320-04-06998/2015-11, Certificate No. 119-01-5/2/2017-09 for the sort of wheat NS ŽITIJA, 2017.
- Denčić, S., Momčilović, V., Acknowledgement of the Ministry of Agriculture of Serbia No. 320-04-07001/2015-11, Certificate No. 119-01-5/2/2017-09 for the sort of wheat NS RIZNICA, 2017.
- Denčić, S., Momčilović, V., Acknowledgement of the Ministry of Agriculture of Serbia No. 320-04-07000/2015-11, Certificate No. 119-01-5/2/2017-09 for the sort of wheat NS MITRA, 2017.
- Miroslavljević, M., Momčilović, V., Hristov, N., Denčić, S., Mladenov, N., Jevtić, R., Acknowledgement of the Ministry of Agriculture of Serbia No. 320-04-07006/2/2015-11 on 10 October 2017, for the sort of barley NS IZDAN, 2017.
- Miroslavljević, M., Momčilović, V., Hristov, N., Denčić, S., Mladenov, N., Jevtić, R., Acknowledgement of the Ministry of Agriculture of Serbia No. 320-04-07007/2/2015-11 on 10 October 2017 for the sort of barley NS PARIP, 2017.
- Denčić, S., Acknowledgement of Ministry of Agriculture of Ukrain No. 170934, for the sort of wheat HC FUTURA, 2017.

6. Domestic and International Projects

Investigations were included into 4 projects financially supported by the Ministry of Science and technologic development of Republic Serbia. The members of VANU investigated in the project in agriculture which was supported by Matica Srpska in Novi Sad. The Secretary of Science of Vojvodina supported also a scientific project in multicriteri decision up to 2016. In 2016 and 2017 we were incorporated into two projects supported by faculties of the University of Novi Sad.

Members of VANU were incorporated into projects of EU, mainly in mobility programs, too. The result of projects was the dissemination of knowledge.

The list of the main project is presented.

Cveticanin, L., Metode modeliranja na više skala sa primenama u biomedicini, Ministarstvo nauke i tehnološkog razvoja Republike Srbije, (No. Proj. OI-174028)

Cvetičanin, L., Primena biomedicinskog inženjeringa u pretkliničkoj i kliničkoj praksi, Ministarstvo nauke i tehnološkog razvoja Republike Srbije, (No. Proj. IT-41007)

Denčić, S., Savremeno oplemenjivanje strnih žita za sadašnje i buduće potrebe (No. Proj. TR-31066), Ministarstvo nauke i tehnološkog razvoja Republike Srbije

Kastori R., Teški metali i životni procesi biljaka, Odeljenja za prirodne nauke Matice Srpske.

Pap, E., Matematički modeli nelinearnosti, neodređenosti i odlučivanja, Ministarstvo prosvete, nauke i tehnološkog razvoja Srbije, (No. Proj. OI-174009).

Projekat „Strategija održivog razvoja 2013-2017“ Ekonomskog fakulteta u Subotici. Teme:

- Komšić, J., Regionalističke strategije i održivi razvoj – Srbija u svetlu evropskih iskustava (2016)
- Komšić, J., Principi i pretpostavke razvojne harmonizacije kulturoloških različitosti na putu Srbije ka EU (2016)
- Komšić, J., Održivi razvoj, evropeizacija Srbije i pretpostavke regionalne demokratije, 2017.
- Komšić, J., Sociološki aspekti interakcije razvoja i kulture, 2017.

Projekat „Višekriterijumsko odlučivanje u složenim tehničko-tehnološkim sistemima u AP Vojvodini“ Pokrajinski sekretarijat za nauku i tehnološki razvoj

- Tešić, M., Višekriterijumsko odlučivanje za poboljšanje efikasnosti rada biogas postrojenja korišćenjem fazi logike i ekspertskih sistema u AP Vojvodini, 2016.

Projekat Advanced Course in Rectal Cancer Surgery, Medicinski faklтет, Novi Sad

- Gudurić, B., ELAPE operaciji i resekciji jetre kod CRC metastaza« Sremska Kamenica.

Cveticanin, L., Erasmus Mobility Program: Politehnica University of Timisoara, Romania, 2016

Cveticanin, L., CEEPUS Program: University of Szeged, Hungary, 2016 and 2017

Cveticanin, L., CEEPUS Program: Politehnica University of Timisoara, Romania, 2017

Cveticanin, L., Erasmus Mobility Program: University Polytechnika, Lodz, Poland, 2017

Cveticanin, L., CEEPUS Program: University of Zhilina, Slovakia, 2017

7. Editors and Members of the Editorial Boards for Journals and Proceedings

It is a great honor for VANU and their members to be incorporated into the Editorial Boards of very important international journals in science and arts. During these two years the list of journals in which our members become the Editors-in-Chief or Guest Editors increased, too. Our members were Guest Editors in 4 issues of scientific journals with Scientific Citation Index, and were Editors for Proceedings of 4 International Conferences organized in Serbia.

- Cveticanin, L., Reduced-Order Models for Nonlinear Analysis, Tests and Control of Mechanical and Structural Systems and Their Application to Engineering, Special issue *Shock and Vibration*, 2017
- Cveticanin, L., Dynamics, Control, and Modeling of Fractional-Order Systems, Special issue *Shock and Vibration*, 2017
- Cveticanin, L., Nonlinear phenomena in Complex Systems, Special issue *Discrete Dynamics in Nature and Society*, 2016
- Cveticanin, L., *Advances in Mechanical Engineering*, SAGE, 2016.
- Cveticanin, L., *Mechanism and Machine Theory*
- Cveticanin, L., *Journal of Applied Mathematics*
- Cveticanin, L., *Romanian Journal of Mechanics*, 2017
- Denčić, S., *Journal of Scientific Agricultural Research*
- Kastori, R., *Journal for Natural Sciences Matice Srpske*
- Ketig, T., *Enciklopedije Vojvodine* (Editor in Chief)
- Pap, E., *Fuzzy Sets and Systems*
- Pap, E., *Soft Computing*
- Pap, E., *Tatra Mountains Mathematical Publications*
- Pap, E., *Yugoslav journal of operation research*

- Pap, E., *Acta Polytechnica Hungarica*
- Pap, E., *The Journal of Nonlinear Science and its Application* (TJNSA)
- Pap, E., *Applied Computational Intelligence and Soft Computing*
- Szalma, J., *Létünk* (Novi Sad)
- Szalma, J., *Jogtudományi Közlöny*
- Szalma, J., *Acta Caroliensis*
- Tešić, M., *Savremena poljoprivredna tehnika*
- Tešić, M., *Journal on Processing and Energy in Agriculture*
- Folic, R., *Proceedings of the 5th International Conference of Earthquake Engineering and Engineering Seismology*, Sremski Karlovci, Serbia, 29-30 June 2016.
- Folic, R., *Zbornik radova Desetog međunarodnog naučno-stručnog savetovanja: „Ocena stanja, održavanje i sanacija građevinskih objekata i naselja“*, Vršac, 25-29 maj 2017.
- Folic, R., *Zbornik radova Sedmog međunarodnog naučno-stručnog savetovanja: „Geotehnički aspekti građevinarstva“*, Šabac, 12-17 November 2017.
- Jevtic D., Folic, R., *Proceedings of the International Symposium on researching and application of contemporary achievements in CE in the field of materials and structures, and XXVII Congress of Society for Materials and Structures Testing of Serbia*, Vršac, 18-20 October 2017.

8. Members of Scientific Boards at Conferences

During last two years many conferences were organized where the members of VANU were heads of the Organizing and Scientific Committees or members of the Boards. Most of conferences were international and financially supported by Ministry of Sciences of Serbia and EU associations.

- Cveticanin, L., Brainstroming Workshop, COST CA 15125, DENORMS, Novi Sad, September 2016
- Denčić, S., 49. Savetovanja agronoma Srbije, 2016
- Denčić, S., 50. Savetovanja agronoma Srbije, 2017
- Kastori, R., XX International ECO- conference, 2016
- Kastori, R., IX Int. Conf. Safe Food, 2016.
- Kastori, R., X Conf. on Environmental Protection of Urban and Suburban Areas, 2017.
- Kastori, R., VI. International Scientific Meeting on Mycology, Mycotoxicology and Mycoses, Novi Sad, 2017.
- Pap, E., SYMOPIS 2016 i 2017, Simpozijum o operacionim istraživanjima, Serbia.
- Pap, E., SACI 2016 i 2017, International Symposium on Applied Computational Intelligence and Informatics, Budapest and Timisoara, Romania.
- Pap, E., CINTI 2016 i 2017, IEEE International Symposium on Computational Intelligence and Informatics, Budapest, Hungary.
- Pap, E., SISY 2016 i 2017, IEEE International Symposium on Intelligent Systems and Informatics, Subotica, Serbia
- Pap, E., SINTEZA 2016 i 2017, International scientific conference of IT and Business Related Research, Belgrade.
- Pap, E., INES 2016 i 2017, IEEE International Conference on Intelligent Engineering System, Budapest and Larnaca Cyprus.
- Pap, E., Linz Seminar on Fuzzy Set Theory 2016 i 2017, Linz, February
- Pap, E., FSTA 2016 International conference on fuzzy set theory and applications, Liptovsky Jan, Slovakia.

9. Membership in Scientific Associations in Serbia and Abroad

Members of VANU are elected in many international and domestic scientific and professional associations and are members of significant scientific societies and government councils. Let us mention some of them: European Academy (Belgium), Hungarian Academy of Sciences, Ukrainian Academy of Sciences and Arts, Serbian Academy of Nonlinear Sciences, Academy of Engineering Sciences of Serbia, Engineering Academy of Serbia, Hungarian Academy of Engineering, American Biographical Institute, American Mathematical Society, Austrian Mathematical Society, Croatian Society of Writers, Society of Writers of Vojvodina, National Board for High Education of Serbia, High Education Council for Vojvodina-Hungarians, etc. During these two years few of the members of VANU are newly elected into these associations and while some are promoted into higher positions.

- Cveticanin, L., Engineering Academy of Serbia IAN, full-member
- Cvetićanin, L., Serbian Academy of Nonlinear Sciences SANN, full-member
- Cvetićanin, L., Hungarian Engineering Academy, member
- Denčić, S., Academy of Engineering Sciences of Serbia AINS, corresponding member
- Kastori, R., Ecology Society of Novi Sad, Presodent of Assembly
- Kastori, R., Vojvodina-Hungarian Scientific Society, member
- Kastori, R., High Education Council for Vojvodina-Hungarians, vice-president
- Kastori, R., Academic Board of Vojvodina-Hungarian, vice-president
- Kastori, R., Hungarian Academy of Sciences, Foreign Member
- Kastori, R., Engineering Academy of Serbia IAN, full-member
- Ketig, T., International Writers Association PEN
- Ketig, T., Society of Writers of Vojvodina
- Ketig, T., Croatian Society of Writers
- Ketig, T., American Biographical Institute (ABI) in Serbia, assistant and selector
- Tamaš, J., Ukrainian Academy of Sciences and Arts, Foreign member
- Pap, E., American Mathematical Society AMS, member
- Pap, E., Austrian Mathematical Society, member
- Pap, E., European Academy (Belgium), full-member
- Pap, E., National Board for High Education of Serbia, member

10. Awards and Prizes

For their contribution to education process and scientific research the members of VANU got awards and prizes. Five members of VANU who retained were elected into Professor Emeritus: Prof. Branimir Guduric at the Faculty of Medicine, University of Novi Sad, Prof. Radomir Folic at the Faculty of Technical Sciences, University of Novi Sad, Prof. Istvan Bikit and Prof. Vukadin Leovac at the Faculty of Natural Sciences, University of Novi Sad, Serbia, and Prof. Jozsef Szalma at the Faculty of Law, University KRE ÁJK, Budapest, Hungary. Their positions available their activity in education at doctor studies.

In 2016 Prof. Julijan Tamas is awarded from the Lvov University "Ivan Franko" for his extremely important contribution to spreading Ukrainian language and culture in the world.

Prof. Livija Cveticanin was elected into Honor Professor at the Faculty of Engineering, University of Szeged, Hungary in 2017.

- Bikit, I., Professor Emeritus at the Faculty of Natural Sciences, University of Novi Sad, Serbia.
- Guduric, B., Professor Emeritus at the Faculty of Medicine, University of Novi Sad, Serbia.
- Folic, R., Professor Emeritus at the Faculty of Technical Sciences, University of Novi Sad, Serbia.
- Leovac, V., Professor Emeritus at the Faculty of Natural Sciences, University of Novi Sad, Serbia.

- Szalma, K., Profesor Emeritus at the Faculty of Law, University KRE ÁJK, Budapest, Hungary.
- Cveticanin, L., Honor Professor at the Faculty of Engineering, University of Szeged, Hungary, 2017.
- Tamaš, J., Award of the Lvov University “Ivan Franko”, Lvov, Ukrain, 2016.

11. In Memoriam - Prof. Dr. Svetozar Nicin

In 2016 left us for ever Prof. Dr Svetozar Nićin, Corresponding member of VANU. He was the member of the Natural and Technical Sciences Division. His profession was a cardiothoracic surgeon at the Institute of Cardiovascular Diseases of Vojvodina in Sremska Kamenica, Serbia. He was the Full-Professor at the Faculty of Medicine of University of Novi Sad, Serbia.

At the beginning his scientific interest was on screening of opiates in blood. He was the first in Yugoslavia when in 1989 he started determining the level of medicines in blood using the method of spectrophotoflurometry. After gaining experience in surgical work, he started showing interest in achieving a decrease in post surgical heart attacks after operations of cardiac muscle revascularisation by introducing prostacyclin during the surgery and in early post surgical period, especially after procedures of endarterectomy. He proved that prostacyclin has influence on the protective characteristic of thrombocytes and causes a decrease in post surgical thrombosis of coronary artery. Later, his interest is focused on the improvement of the diagnostics and healing of acute thoracic aorta dissection. Inspired by his stay in America (Baylor College of Medicine, Prof. Joseph S. Coselli, Houston), he worked, together with his associates, on the implementation of the proximal aortic dissection into routine practice in the Clinic. His interest until the retirement included the implementation of hybrid procedures in cardiovascular surgery into clinical practice.

He is the author/coauthor of 168 presentations at domestic conferences and 476 presentations on congresses abroad. He published as author or coauthor about 20 papers.

He was awarded three times for his professional and scientific work: with Silver medal of the Yugoslav Association of Cardiologists for his activities in the association in the period between 1998 and 2001, a Charter for his contributions for the development of the Institute of Cardiovascular Diseases of Vojvodina 2002 and A letter of gratitude given by the Medical Association of Vojvodina, 2003.

Prof. Dr Nićin was the member of the Serbian Society for Cardiovascular Surgery and of the Serbian Society for Cardiothoracic Surgery. In September 1993 he was elected an active member of the European Chapter of the International Society for Cardiovascular Surgery while in November 1993 he was elected an active member of the International Society of Cardiothoracic Surgeons.